

ABSTRACT OF THE DISCLOSURE

A circuit board is comprised of a metal plate, a printed circuit, and an electronic component. The metal plate serves as a base. The printed circuit is placed on one side of the metal plate. The electronic component is placed on the other side of the metal plate. The metal plate has an opening which reaches the printed circuit at the bottom of the metal plate. An insulating piece is inserted in the opening. The insulating piece has about the same thickness as the metal plate. A through-hole is made through both of the insulating piece and the printed circuit. A lead wire of the electronic component is extended through the through-hole and connected to the circuit pattern of the printed circuit by a conductive metal.